

LEVI WILLMS

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Product Manager with a strong engineering background and hands-on experience building cloud-native, data-heavy SaaS platforms. Leading end-to-end delivery of complex systems from design to rollout, with strengths in scalable backend services, automation, and engineering quality (testing, CI/CD, reliability). Known for bridging Product and Engineering to ship high-impact features and raise technical standards.

Technical Leadership Highlights

- End-to-end ownership of complex features from proposal and design through implementation, rollout, and iteration
- Architecture and engineering standards: design docs, code reviews, testing strategy, and CI/CD quality gates
- Security- and compliance-driven system design for audit-ready workflows and regulated environments
- Cross-functional execution with Engineering, Infrastructure, Security, and business stakeholders; clear trade-offs and crisp updates
- Workflow automation and tooling improvements to increase team velocity while maintaining code quality
- Mentorship and technical guidance to unblock engineers and align delivery across teams

Research / Thesis — Parsed Page eXplorer (PPX): Semantic Search Engine for Document Understanding

Ontario Tech University | 2025–Present

- Aligning OCR layout fragments (bounding boxes) to LLM-parsed text to enable provenance-backed semantic search over PDFs.
- Built an end-to-end pipeline: document parsing (layout + OCR + markdown) and document search (alignment + retrieval).
- Integrated PaddleOCR + MistralOCR; evaluated alternate parsers (Gemini/OpenAI) for canonical text generation.
- Implemented embeddings-based retrieval (sentence-transformers) to support semantic queries with localized results.

- Defining evaluation metrics: alignment accuracy, localization precision, and answer accuracy using a ground-truth dataset.
- Roadmap: golden-set dataset, frontend demo, thesis write-up and submission.

Experience

ThreatIQ

June 2025 – Present

- **Product Manager**
- Lead delivery across backend, frontend, and infrastructure teams for CyberIQ365, a cloud-native cybersecurity compliance platform
- Drive architecture and implementation for automated compliance reporting and data transformation workflows, improving consistency and reducing manual auditor effort
- Set and uphold engineering standards for readability, maintainability, testing, and reliability through design docs, reviews, and delivery practices
- Partner with security and business stakeholders to translate SOC 2 and PCI requirements into clear technical plans and prioritized work
- Establish delivery processes and success metrics to support scale and long-term platform growth
- Streamline engineering workflows through selective use of AI-assisted tooling and automation

April 2024 – June 2025

- Product Development Lead
- Led early-stage product development and technical direction for CyberIQ365 prior to a formal product management function
- Worked with business stakeholders to define product vision, scope, and requirements for a compliance-focused SaaS platform
- Designed functional and non-functional system requirements for multi-tenant workflows and scalable delivery
- Coordinated and mentored engineers during early platform build-out and foundational architecture decisions

May 2023 – April 2024

- Cybersecurity Analyst / Researcher
- Conducted applied research across blockchain systems, distributed platforms, and secure remote work environments
- Sole developer of internal security tools used for analysis and operational support
- Claroty-certified OT Cybersecurity Analyst

Starship Dreams

April 2021 – May 2023

- Full-stack Software Developer
- Developed large-scale data synchronization and migration tooling to safely transition a major shipping aggregator from a legacy platform to a new system
- Built data validation and repair pipelines to ensure business continuity during platform migration
- Designed and implemented backend APIs, frontend interfaces, and database schemas for a complex social media platform hosted on AWS
- Led a small team in designing scalable, structured system architecture
- Contributed to security architecture across server, data, and API layers to protect data in transit and at rest
- Implemented CI/CD pipelines to maintain reliable, automated production deployments

Durham College Centre for Cybersecurity Research

September 2022 – May 2023

- Principal Investigator/Project Manager
- Led security-focused software research projects at Durham College's Centre for Cybersecurity Innovation
- Directed a blockchain consortium project to validate student documentation and credentials in the education sector
- Owned project planning and execution, including proposal writing, hiring, task planning, and delivery management

Durham College AI/Hub

September 2020 – October 2021

- Software Developer
- Developed a real estate application with an interactive site-plan (SVG) to reserve homes by lot and model
- Implemented integrations for DocuSign and Stripe to support digital contracting and payments
- Tech: Angular (frontend), Google Firebase (backend)

Durham College

May 2020 – August 2020

- Web Content Assistant
- Updated and created web content using WordPress CMS as part of Durham College's Web Team
- Used HTML/CSS and CMS integrations to deliver a wide range of internal client requests

February 2020 – April 2020

- Junior Front-end SharePoint Administrator

- Supported content updates and site maintenance for Durham College's staff portal using Microsoft SharePoint

Skills

Core Strengths

- Product strategy, roadmap planning, and prioritization
- Requirements definition (functional and non-functional)
- Cross-functional leadership and stakeholder alignment
- Technical decision-making in security and compliance contexts

Technical Stack

- Languages: Go, TypeScript, JavaScript, Python, C#
- Frontend: Angular, React
- Backend: Node.js, Express, ASP.NET, FastAPI
- Cloud & DevOps: AWS, Docker, CI/CD, Bash
- Data: SQL (Postgres, MySQL), Data pipelines (batch processing, transformations, reporting)
- Security: Authentication, API security, secure data transport
- AI-assisted development: LLM tooling for code review, refactoring, and workflow automation

Methodologies

- Agile, Scrum, DevOps, CI/CD-driven delivery

Education

Ontario Tech University – Bachelor of Science, Computer Science

Expected April 2026

- Cumulative GPA: 3.85

Durham College – Computer Programming & Analysis

September 2018 – April 2021

- Graduated with honors and received an Advanced Diploma in Computer Programming & Analysis in April 2021.

Portfolio

OpenDeFi Hackathon – 2nd Place (May 2021) | <https://github.com/robin-rrt/crypto-cares>

- Built a DeFi + NFT protocol that incentivizes charitable donations through expert time commitments
- Technologies: React, Solidity, Web3, Node.js, Polygon (Mumbai)

ETHGlobal HackFS – RhadaPay (Aug 2021) | <https://github.com/RhadaPay>

- Built an event-driven payment protocol linking on-chain payment streams to real-world events
- Awards: Best use of Polygon, Best use of Superfluid, Textile Pool Prize
- Technologies: Vue.js, Express.js, Solidity, Superfluid, Textile, Polygon (Mumbai)

Star Registration Blockchain (Mar 2021) |

https://github.com/leviwillms/Star_Registration_Blockchain

- Implemented a private blockchain in JavaScript to register and verify star records with hashing and validation
- Demonstrates blockchain fundamentals: identity, integrity checks, and proof of existence